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(19) **United States**(12) **Patent Application Publication****Henry et al.**(10) **Pub. No.: US 2008/0098718 A1**(43) **Pub. Date: May 1, 2008**(54) **TURBOFAN ENGINE ASSEMBLY AND
METHOD OF ASSEMBLING SAME****Publication Classification**(51) **Int. Cl.**
F02K 3/02 (2006.01)(52) **U.S. Cl.** **60/226.1; 60/268**(57) **ABSTRACT**

A turbofan engine assembly includes a core gas turbine engine including a high-pressure compressor, a combustor, and a high-pressure turbine, a low-pressure turbine coupled to said core gas turbine engine, a counter-rotating booster compressor comprising a first rotor section configured to rotate in a first direction and a second rotor section configured to rotate in an opposite second direction, and a gearbox comprising an input and an output, said gearbox output coupled to at least one of said first and second rotor sections, said gearbox input coupled to said low-pressure turbine. A method of assembling the turbofan engine assembly described herein is also provided.

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